

**SECTION II:** 8-5/8" Intermediate Casing @ 3500' RKB  
(12-1/4" Hole)

**A. Intent:** This casing is set according to NMOCDC order R-111 for protection of area Potash Mines, at least 100 feet past the base of the Salado Salt (estimated at 3370').

**B. Casing :**

Section	Bottom	Top
Length	2200	1300
Weight	32#	24#
Grade	K55	K55
Thread	ST&C	ST&C

**PPCo. Allowables:**

Burst, psi	3740	2780
Collapse, psi	2390	1290
Tension, K lbs	268	176

**Make-up Torque, ft-lbs:**

Optimum	4020	2630
Minimum	3020	1970
Maximum	5030	3290

Run centralizers every fifth joint in the area from 3370' to 550'

**C. Cement:** Circulate to surface. If cement does not circulate, run temperature survey for TOC (additional cementing will be required). Run fluid caliper prior to reaching casing point. Adjust cement volumes for fluid caliper plus 30%. Calculated volumes based on field average hole size of 15". Reciprocate casing  $\pm 20'$  from first established circulation until 5 barrels prior to bumping the plug.

**Lead:** 950 sacks Class 'C' + 20% Diacel D + 23# salt/sk and 1/2 #/sk Flocele

Slurry weight:	12.6 ppg
Slurry yield:	2.80 cu ft/sk
Water requirement:	15.5 gal/sk

**Tail:** 200 sx Class 'C' with 10# salt/sk

Slurry weight:	15.2 ppg
Slurry yield:	1.38 cu ft/sk
Water Requirement:	6.3 gal/sk

**D. Notes:** Cement must stand under pressure for 12 hours, then wait another 12 hours before testing or drilling out. NU 13-5/8"-3000 psi btm X 11"-3000 psi top casing spool. Test casing to 1000 psi for 30 minutes. RU "Low Risk" H2S equipment (100 ppm ROE < 3000') before drilling ahead.